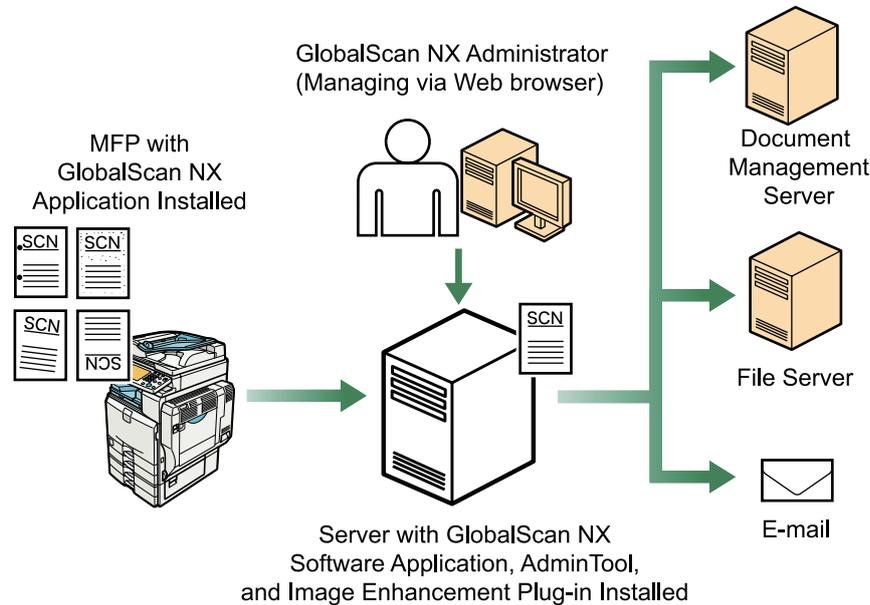


GlobalScan NX Image Enhancement Plug-in

User's Guide

The GlobalScan NX Image Enhancement Plug-in (Image Enhancement Plug-in) is a GlobalScan NX (GSNX) plug-in filter that corrects images scanned using a Multifunctional Device (MFP).

Use of this plug-in in conjunction with GSNX distribution services allows you to automate image correction of scanned documents and perform efficient digitization and distribution of high-quality documents.



BTX001S

Fig. 1: GlobalScan NX Image Enhancement Plug-in Workflow

Note

- This product is displayed as "Image Correction" on the MFP control panel.
- This manual explains the operation procedures for the Image Enhancement Plug-in. For details about the operation procedures for other services/filters, see *GSNX User's Guide*.

Introduction

This manual contains detailed instructions and notes on the operation and use of this product. For your safety and benefit, read this manual carefully before using the product. Keep this manual in a handy place for quick reference.

Important

- TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW:
 - THE SUPPLIER SHALL NOT BE LIABLE FOR THE RESULT OF OPERATION OF THIS SOFTWARE OR THE USE OF THIS DOCUMENT.
 - THE SUPPLIER SHALL NOT BE LIABLE TO YOU FOR DAMAGES OR LOSS OF ANY DOCUMENT OR DATA PRODUCED BY USING THIS SOFTWARE.
 - THE SUPPLIER SHALL NOT BE LIABLE TO YOU FOR ANY CONSEQUENTIAL, INCIDENTAL OR INDIRECT DAMAGES (INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFITS, BUSINESS INTERRUPTION OR LOSS OF BUSINESS INFORMATION, AND THE LIKE) CAUSED BY FAILURE OF THIS SOFTWARE OR LOSS OF DOCUMENTS OR DATA, NOR FOR ANY OTHER DAMAGES ARISING OUT OF THE USE OF THIS SOFTWARE, IF THE SUPPLIER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.
- Some illustrations or explanations in this guide may differ from your product due to improvement or change in the product.
- The contents of this document are subject to change without notice.
- No part of this document may be duplicated, replicated, reproduced in any form, modified or quoted without prior consent of the supplier.
- It is possible that any document or data stored in the computer will be damaged or lost by user error during operation or software error. Be sure to back up of all important data beforehand. Important documents and data should always be copied or backed up. Documents and data can be lost because of malfunction or human error. Furthermore, the customer is responsible for protection measures against computer viruses, worms, and other harmful software.
- Do not remove or insert any disk while operating this software.

Before You Begin

Abbreviations

The following abbreviations are used in this guide to shorten content.

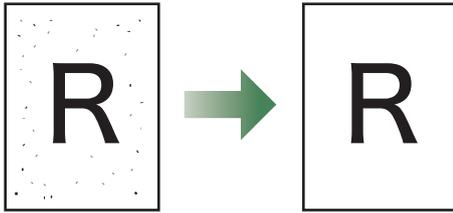
Product / Name	Abbreviation
GlobalScan NX	GSNX
Multifunctional Device	MFP, Device
GlobalScan NX Image Enhancement Plug-in	Image Enhancement Plug-in

Functions of the Image Enhancement Plug-in

This section explains the functions of the Image Enhancement Plug-in.

◆ Noise Reduction

This function prevents unwanted speckles and blemishes (noise) on the original appearing in the scanned image.



BTR002S

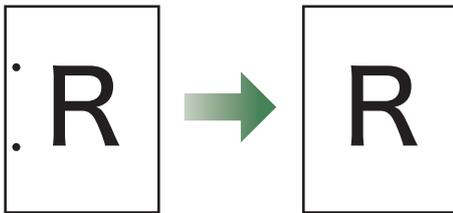
↓ Note

- If "File Format" under "Scan Settings" is set to [Grayscale/Color], the noise reduction function cannot be applied, even if it is set to [Yes].

◆ Remove Punch Holes

This function prevents shadow from punch holes in the original document appearing in the scanned image.

This function becomes available when the original being scanned has punch holes.



BTR003S

↓ Note

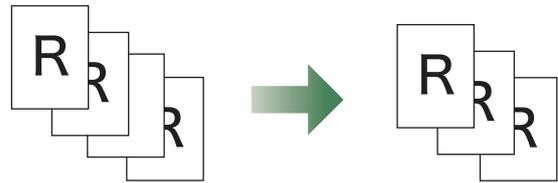
- The following table shows the relationship between the number of punch holes whose shadows can be removed, punch hole size, and paper size.

Punch holes	Pitch	Paper size
2	80 mm	A3, A4, A5, B4, B5, B6
3	108 mm	8½ × 11 inch, A4
	89 mm	7 × 9 inch
	70 mm	6⅓ × 8½ inch
4	57 mm	B5
	80 mm	A4
	20 mm, 70 mm	A4

- If "File Format" under "Scan Settings" is set to [Grayscale/Color], the punch hole removal function cannot be applied, even if it is set to [Yes].
- This function cannot prevent shadow from contoured or partial punch holes appearing on the scanned image.

◆ Remove Blank Pages

This function prevents unwanted blank pages contained in multiple-page originals being scanned. This function is helpful when scanning a multiple-page original containing a mixture of one- and two-sided pages.



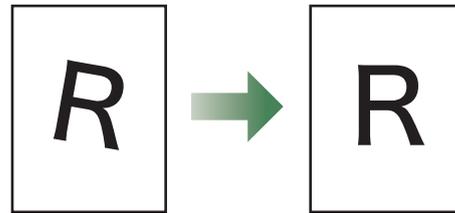
BTR004S

↓ Note

- This function is available even if the original contains pages that are of various solid colors.

◆ Deskew

This function straightens skewed images on originals, producing scanned images that are better aligned.



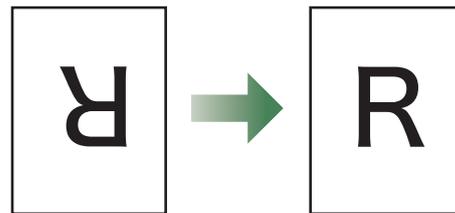
BTR006S

↓ Note

- White margins can appear around the scanned image if the degree of correction is extreme.
- The range of skew that can be corrected is -7 to +7 degrees.

◆ Auto Orientation

This function corrects rotated images in steps of 90 degrees.



BTR005S

Step 1: Placing the Original

Place the original face up on the Automatic Document Feeder (ADF) or face down on the exposure glass.

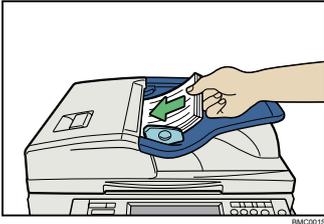


Fig. 2: ADF

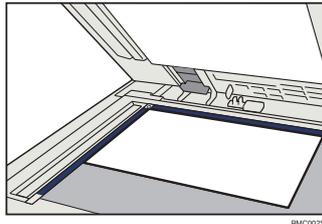


Fig. 3: Exposure Glass

Step 2: Opening the Group/Project Screen

1. Press [**Scanner**] on the MFP control panel (once or twice).

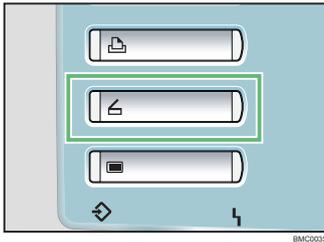


Fig. 4: Control Panel

Note

- Any key other than the [**Scanner**] key can be programmed to access GSNX. Check with your Administrator.
- The appearance of the GSNX user interface varies depending on the MFP model and the administrator settings.

2. Select the group tab you require.
3. Select the project button you require.

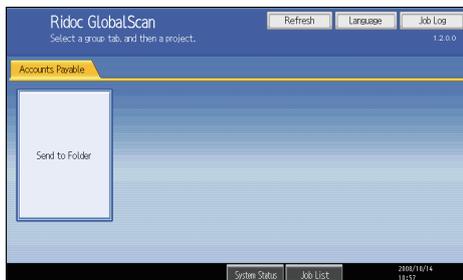


Fig. 5: Group/Project Screen

Step 3: Logging In

If you are required to log in, the screen shown in Fig. 6 (below) will appear. If login is not required, proceed to P.3 "Step 4: Selecting/Entering Metadata".

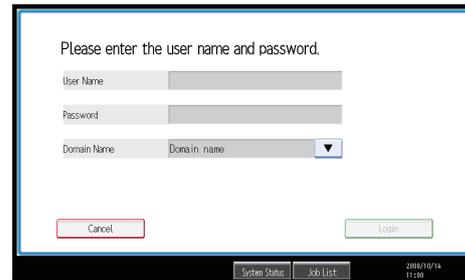


Fig. 6: Login Screen

1. Press [**User Name**] and enter your user name.
2. Press [**OK**].
3. Press [**Password**] and enter your password, if necessary.
4. Press [**OK**].
5. Select/enter Domain Name, if necessary.
6. Press [**Login**].

Note

- If login fails, press [**OK**] and repeat the above procedure using valid account information.

Step 4: Selecting/Entering Metadata

If metadata is required, the metadata screen will appear. If metadata is not required, proceed to P.4 "Step 5: Selecting a Service".

1. Select the relevant fields, drop-down menus, or buttons.
2. Enter the document information.
3. Repeat steps 1 - 2 as necessary.
4. When finished, press [**Next**].

Step 5: Selecting a Service

The Service Menu for the project selected in "Step 2: Opening the Group/Project Screen" appears.

Use the following procedure to select the service you require. (This procedure uses the example of selecting the Send To Folder service, but the procedure for selecting any service is the same.)

For details about how to specify the settings for other services, see *GSNX User's Guide*.

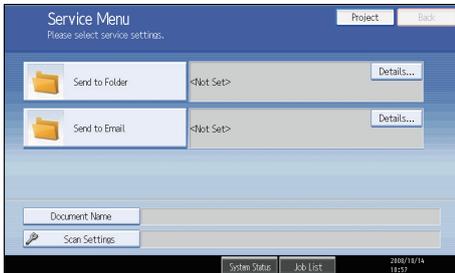


Fig. 7: Service Menu

Note

- If only one service exists, the Destination Selection screen will appear.

1. Press [Send to Folder].
2. Select the destination folders.

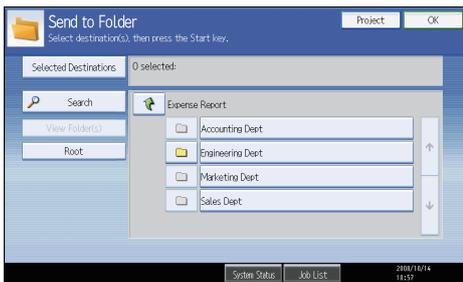


Fig. 8: Destination Selection Screen

3. Press [OK].

Step 6: Setting the Scan Parameters

Note

- Depending on the administrator settings, other scan parameters might or might not be required.
- The Scan Settings and Scan Size screens can be customized by the administrator, thus the settings that are available might vary.

Document Name

This name identifies the e-mail attachment or file. From the Service Menu (Fig. 7), proceed as follows:

1. Press [Document Name].
2. Enter a name, and then press [OK]. The "Document Name" field is automatically populated.

Note

- The administrator can preset names. Editing is possible, unless the document is set to read-only.

Scan Settings/Scan Size

From the Service Menu (Fig. 7), proceed as follows:

1. Press [Scan Settings].
2. Press [Scan Settings] or [Scan Size].
3. Configure the settings as necessary, and then press [OK].

Note

- The noise reduction and remove punch holes functions cannot be applied if "File Format" is set to [Grayscale/Color].
- For details about Scan Settings and Scan Size, see *GSNX User's Guide*.

Filters

To configure the Image Enhancement Plug-in, proceed to P.5 "Step 7: Configuring the Image Enhancement Plug-in".

For details about how to specify other filters, see *GSNX User's Guide*.

Step 7: Configuring the Image Enhancement Plug-in

Image Correction Screen Overview

This section explains the settings that are available on the Image Correction Screen.

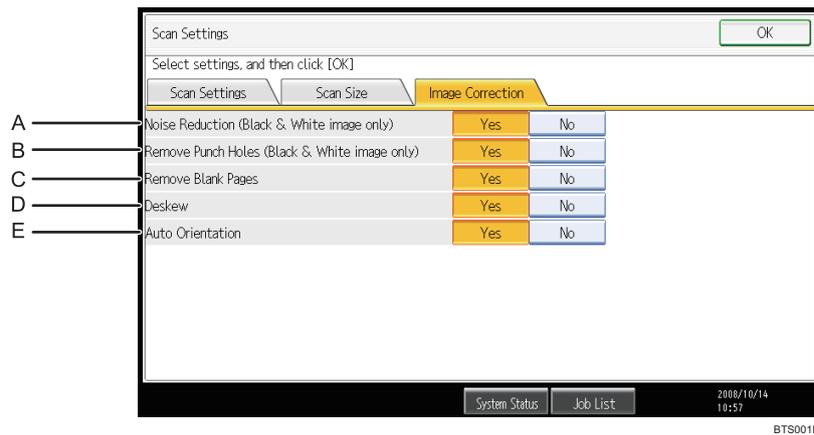


Fig. 9: Image Correction Screen

A. Noise Reduction (Black & White image only)

Specify whether to remove noise.

Note

- If "File Format" under "Scan Settings" is set to [Grayscale/Color], the noise reduction function cannot be applied, even if it is set to [Yes].

B. Remove Punch Holes (Black & White image only)

Specify whether to remove punch hole shadow.

Note

- If "File Format" under "Scan Settings" is set to [Grayscale/Color], the punch hole removal function cannot be applied, even if it is set to [Yes].

C. Remove Blank Pages

Specify whether to remove blank pages.

D. Deskew

Specify whether to correct image skew.

E. Auto Orientation

Specify whether to correct image orientation.

Procedure

From the Service Menu (Fig. 7), proceed as follows:

1. Press [Scan Settings].
2. Press [Image Correction].
3. Configure the settings as necessary.
4. Press [OK].

Step 8: Start the Scan

1. Confirm that the destinations are correct. If necessary, open the Service Menu screen, and then press [**Details**]. To close the [**Details**] screen, press [**Summary**].
2. Confirm that the control panel [**Start**] key is lit green. If it is not, , check that all the necessary settings and values have been selected or entered, and that an original is placed in the ADF or on the exposure glass.
3. Press [**Start**].
The original is scanned and the resulting scan file is distributed.

Step 9: Exit the Project

When scanning finishes, press the [**Project**] button (see Fig. 10). The Group/Project screen (Fig. 5) will appear.

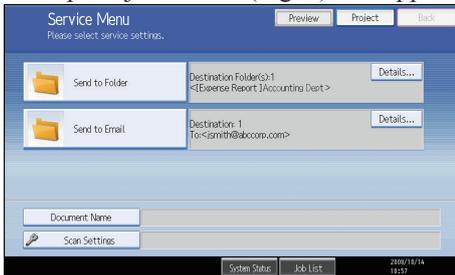


Fig. 10: Service Menu

Step 10: Review the Job Log

The Job Log provides details about each scanned document, such as Date/Time, Project Name, Document Name, User Name, Job Status, etc.

The content of the Job Log is determined by the administrator. Depending on the administrator's settings, you will be able to view the job log of every project or a specific project only.

To view the Job Log, proceed as follows:

1. Press [**Job Log**].
2. Select the project whose job log you want to view.
3. When finished, press [**OK**] to close the Job Log.